

## Title (en)

Apparatus and method for producing downwards compatible video signals with increased vertical resolution, and apparatus for reproducing and displaying same

## Title (de)

Vorrichtung und Verfahren zur Produktion von abwärtskompatiblen Videosignalen mit erhöhter vertikaler Auflösung, und Vorrichtung zur Wiedergabe und Darstellung solcher Signale

## Title (fr)

Appareil et méthode de production de signaux vidéo à compatibilité descendante et avec une résolution verticale augmentée, et appareil pour reproduire et afficher de tels signaux

## Publication

**EP 0809400 A3 19990127 (EN)**

## Application

**EP 97113843 A 19931028**

## Priority

- EP 93117503 A 19931028
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## Abstract (en)

[origin: EP0595323A2] Apparatus for deriving from a motion picture film for transfer to a video recording medium (7, 8) a video signal having increased vertical resolution for display using progressive scanning. In the apparatus, a deriving system derives the video signal from the motion picture film; a flag signal generating circuit generates a flag signal indicating that the video signal is for display using progressive scanning; and a recording system (63) records the video signal and the flag signal in the recording medium (7, 8). In a method of deriving from an interlaced high-definition video signal an interlaced standard-definition video signal having increased vertical resolution, the interlaced high-definition video signal is converted into a progressive high-definition video signal. The number of pixels in the progressive high-definition video signal is reduced to provide a progressive standard-definition video signal, which is converted into the interlaced standard-definition video signal. An apparatus for reproducing a video signal recorded on a recording medium (7, 8) includes a system for reproducing (40) the video signal from the recording medium (7, 8), and a circuit (50) for extracting from the reproduced video signal a flag signal indicating a display scanning mode for the video signal. A display apparatus includes a circuit (43) for receiving a flag signal indicating a display scanning mode for the video signal, and for generating a control signal; and a circuit (56), responsive to the control signal, for displaying the video signal in the display scanning mode. <IMAGE>

## IPC 1-7

**H04N 7/01**

## IPC 8 full level

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## CPC (source: EP US)

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## Citation (search report)

- [Y] WO 9209172 A2 19920529 - RANK CINTEL LTD [GB]
- [Y] US 4881125 A 19891114 - KRAUSE EDWARD A [US]
- [A] GB 2249899 A 19920520 - SONY BROADCAST & COMMUNICATION [GB]
- [A] US 4982280 A 19910101 - LYON THOMAS C [US], et al
- [A] US 4641188 A 19870203 - DISCHERT ROBERT A [US]

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## DOCDB simple family (application)

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